

Missouri Assessment Program
Spring 2004

Science

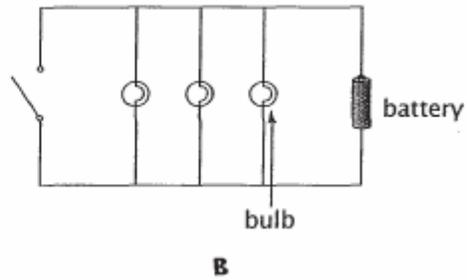
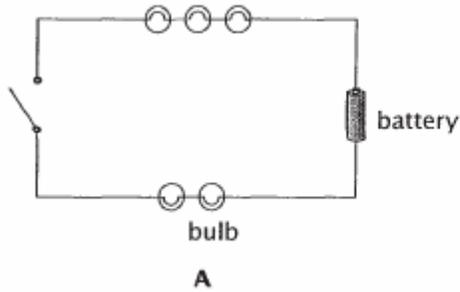
Anchor Pages for Released Items

Grade 7

2 Points

1-5

Which drawing below shows light bulbs connected in a parallel circuit? B



What is an advantage of using a parallel circuit to make a string of decorative (party) lights?

If one goes out the rest of the lights will stay lit.

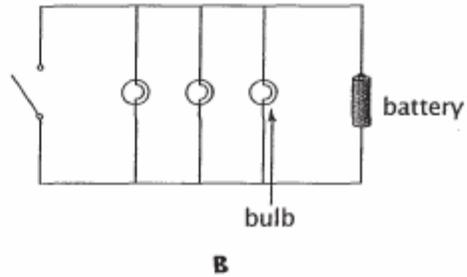
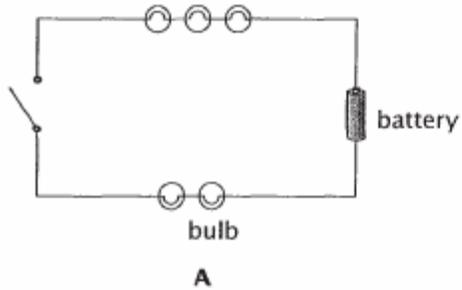
Score Point 2
2 Key elements
B
If one bulb goes out, the others will still work

DOC ID 057646

1 Point

1-5

Which drawing below shows light bulbs connected in a parallel circuit? B



What is an advantage of using a parallel circuit to make a string of decorative (party) lights?

Because they are in line and are easy to power.

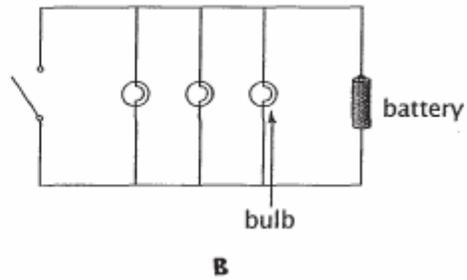
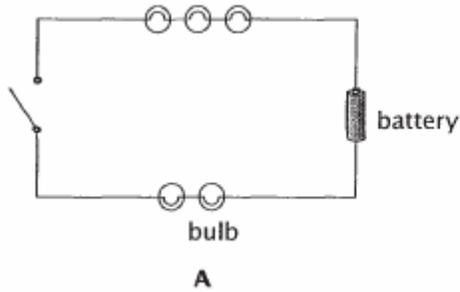
Score Point 1
1 Key element
B
[incorrect response]

DOC ID 080111

0 Points

1-5

Which drawing below shows light bulbs connected in a parallel circuit? A



What is an advantage of using a parallel circuit to make a string of decorative (party) lights?

You can have all the lights on or have them Flashing.

Score Point 0
No Key elements
[incorrect response]
[incorrect response]

DOC ID 073304

2 Points

1-7

A seventh-grade science team was impressed with a magazine article on body language. The team had access to a video camera. Without telling their classmates, they videotaped their classmates at lunch through a one-way mirror.

- (a) May they use and publish the information in this video as part of a report? Explain your answer.

No because they didn't have permission.

- (b) How can this team obtain and use videotapes of individuals behaving spontaneously at unguarded moments?

Get permission ahead for any time to be videotaped

Score Point 2
2 Key Elements
Part (a): No AND indicates lack of consent
Part (b): Correct solution of obtaining consent

DOC ID 066462

2 Points

1-7

A seventh-grade science team was impressed with a magazine article on body language. The team had access to a video camera. Without telling their classmates, they videotaped their classmates at lunch through a one-way mirror.

- (a) May they use and publish the information in this video as part of a report? Explain your answer.

No. You have to ask the people you wanna record.

- (b) How can this team obtain and use videotapes of individuals behaving spontaneously at unguarded moments?

every once in a while record them when they arent paying attention

Score Point 2

2 Key Elements (both in Part A)

Part (a): No AND indicates lack of consent as well as the correct solution of obtaining consent

Part (b): [extraneous]

DOC ID 066462

1 Point

1-7

A seventh-grade science team was impressed with a magazine article on body language. The team had access to a video camera. Without telling their classmates, they videotaped their classmates at lunch through a one-way mirror.

- (a) May they use and publish the information in this video as part of a report? Explain your answer.

Yes because it involves useful information

- (b) How can this team obtain and use videotapes of individuals behaving spontaneously at unguarded moments?

ask them if they can be filmed

Score Point 1
1 Key Element
Part (a): [incorrect response]
Part (b): Correct solution of obtaining consent

DOC ID 064332

0 Points

1-7

A seventh-grade science team was impressed with a magazine article on body language. The team had access to a video camera. Without telling their classmates, they videotaped their classmates at lunch through a one-way mirror.

- (a) May they use and publish the information in this video as part of a report? Explain your answer.

Yes, because they can watch the video and explain their body movements.

- (b) How can this team obtain and use videotapes of individuals behaving spontaneously at unguarded moments?

They can talk about their movements.

Score Point 0
No Key Elements
Part (a): [incorrect response]
Part (b): [incorrect response]

DOC ID 067705

2 Points

1-8

Some cells have structures called chloroplasts, which contain the green pigment chlorophyll.

- (a) Explain the role of chloroplasts in these cells.

To absorb sunlight and give leaves their color. They also help with
photosynthesis.

- (b) Name two things from the environment that chloroplasts must have to perform this role.

1. sunlight

2. water

Score Point 2

1 Key Element from (a) and 2 Key Elements from (b)

Part (a): Chloroplasts perform photosynthesis

Part (b): Sunlight

water

DOC ID 075564

1 Point

1-8

Some cells have structures called chloroplasts, which contain the green pigment chlorophyll.

- (a) Explain the role of chloroplasts in these cells.

It takes the food to another part of the plant

- (b) Name two things from the environment that chloroplasts must have to perform this role.

1. water
2. oxygen

Score Point 1
2 Key Elements from (b)
Part (a): [incorrect explanation]
Part (b): water
[incorrect response]

DOC ID 058583

1 Point

1-8

Some cells have structures called chloroplasts, which contain the green pigment chlorophyll.

- (a) Explain the role of chloroplasts in these cells.

Chloroplasts help complete photosynthesis

- (b) Name two things from the environment that chloroplasts must have to perform this role.

1. Water
2. oxygen

Score Point 1
1 Key Element from (a) and 1 Key Element from (b)
Part (a): Chloroplasts perform photosynthesis
Part (b): Water
[incorrect response]

DOC ID 057609

0 Points

1-8

Some cells have structures called chloroplasts, which contain the green pigment chlorophyll.

- (a) Explain the role of chloroplasts in these cells.

It make the cells green.

- (b) Name two things from the environment that chloroplasts must have to perform this role.

1. Plants have chloroplast
2. Leaves have chloroplast

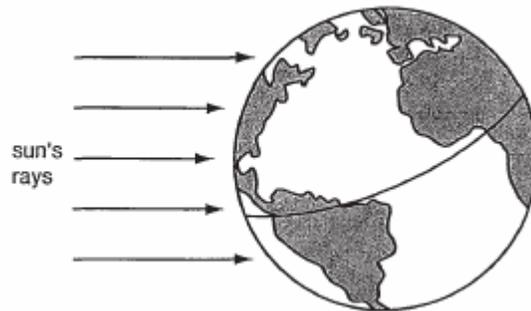
Score Point 0
No Key Elements
Part (a): [insufficient explanation]
Part (b): [incorrect response]

DOC ID 059931

1 Point

1-13

1-13



Explain why sunlight creates a pattern of decreasing temperature as someone moves from the equator toward areas at higher latitudes.

The sun's rays are not directly on the earth in areas further away from the equator.

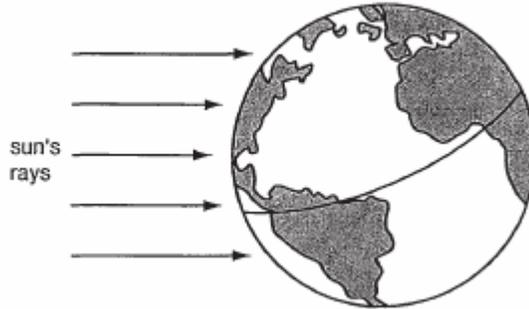
Score Point 1
1 Key Element
Sunlight strikes earth and its atmosphere more directly at or near the equator than at areas of higher latitude.

DOC ID 199895

1 Point

1-13

1-13



Explain why sunlight creates a pattern of decreasing temperature as someone moves from the equator toward areas at higher latitudes.

The other side of earth is not facing the sun.

Score Point 0
No Key Elements
[incorrect response]